## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



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Customer	:						
Product line			: W21 Explosion Proof NEMA Product code : 15466193 Premium Efficiency Three-Phase				
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 586/7T : 450 HP (330 kW) : 4 : 60 Hz : 575 V : 401 A : 2605 A : 6.5x(Code G) : 96.8 A : 1787 rpm : 0.72 % : 183 kgfm : 180 % : 200 % : F : 1.15 : 8.99 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 43s (cold) 24s (hot) : 105 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 83.0 dB(A) : Direct On Line : 2001 kg		
Output	50%	75%	100%	Foundation loads	4500   6		
Efficiency (%) Power Factor	95.8 0.81	96.2 0.85	96.2 0.86	Max. traction Max. compression	: 1503 kgf : 3501 kgf		
Bearing type : 6322 C3 Sealing : Viton Oil Seal Lubrication interval : 5138 h Lubricant amount : 60 g Lubricant type : Mob		Non drive end 6319 C3 Viton Seal 7038 h 45 g obil Polyrex EM	_				
Notes							

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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#### Thermal protection

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ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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# LOAD PERFORMANCE CURVE

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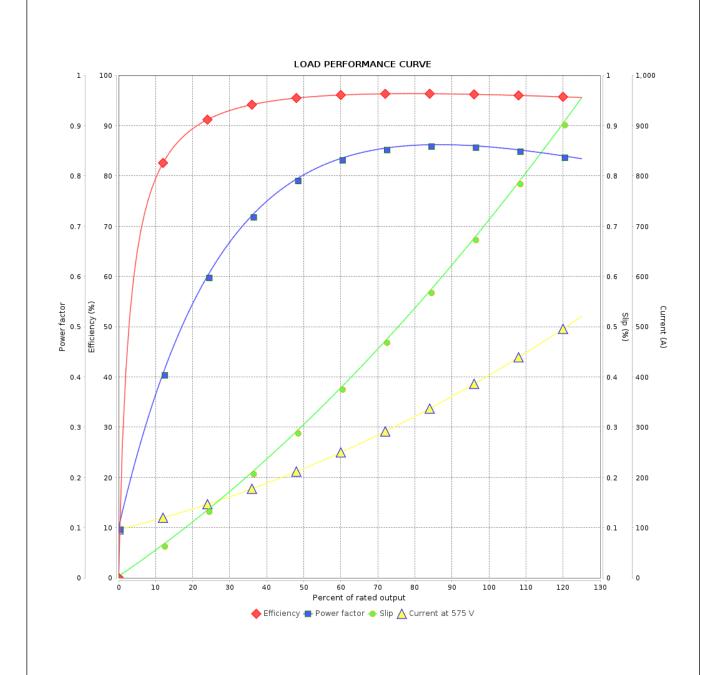


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 15466193



Performance	: 575 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 401 A : 6.5 : 183 kgfm : 180 % : 200 % : 1787 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 8.99 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
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